

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Currently Amended) A method for preventing or treating a mammal suffering from a stress-induced inflammatory disorder in a mammal, comprising applying a formulation to the mammal, the formulation comprising a result of providing *Pediococcus pentosaceus* 16:1 (LMG P-20608), *Leuconostoc mesenteriodes* 23-77:1 (LMG P-20607), *Lactobacillus paracasei* subsp *paracasei* F-19 (LMG P-17086), and *Lactobacillus plantarum* 2362 (LMG P-20606)

wherein the bacterial strains are in an amount of at least 10^{11} CFU/ml of each of the bacteria and at least four different ~~fibers~~fibres.

13. (Currently Amended) A method according to claim 12, wherein the mammal ~~comprising an animal or~~ is a human being.

14. (New) A method according to claim 12, wherein stress-induced inflammatory disorder is determined as an increase in neutrophils, cytokines, myeloperoxidase and/or accumulation of the oxidation-related malonedialdehyde.

15. (New) A method according to claim 12, wherein the stress induced inflammatory disorder is lung inflammation, urinary inflammation, vaginal inflammation, bowel inflammation, stomach inflammation, liver inflammation, muscle inflammation, inflammation of endocrine and reproductive organs, and brain inflammation.

16. (New) A method according to claim 15, wherein the fiber is selected from the group consisting of beta-glucan, inulin, pectin, resistant starch, cellulose, hemicellulose, arabinoxylans, arabinogalactans, polyfructose, inulin, oligofructans, galacto-oligosacharides, gums, mucilages, pectins, dextrins, maltodextrins, potato dextrins, synthesized carbohydrates, polydextrose, methycellulose and hydroxypropylmethlcellulose.

17. (New) A method according to claim 12, wherein the four fibers are inulin, beta-glucan, pectin and resistant starch.

18. (New) A method according to claim 17, wherein the fibers are present in an amount of 2.5 g of each fiber.

19. (New) A method according to claim 16, wherein the fiber is selected from lignin substances from plants selected from the group comprising waxes, cutin, phytate, saponin, suberin and tannins.

20. (New) A method according to claim 12, wherein the formulation further comprises at least one antioxidant, vitamin, mineral, amino acid, peptide or protein.

21. (New) A method according to claim 12, wherein the formulation further comprises glutamine, or a synthetic version thereof.

22. (New) A method according to claim 12, wherein the formulation further comprises one or more therapeutic agents.

23. (New) A method according to claim 12, wherein the formulation is solid or liquid, such as tablet, gel or spray.